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 U.S. PTO
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications
under 37 CFR 1.53(b))

Check Box, if applicable [] Duplicate

Attorney Docket No.

040158

Total Pages

First Named Inventor or Application Identifier

Tomoo IJIMA, Kimitaka ENDO, Kazuo IKENAGA,
Hiroshi ODAIRA, Naoto MINARI and Takashi KATO

Express Mail Label No.

APPLICATION ELEMENTS FOR:

**WIRING CIRCUIT BOARD, MANUFACTURING
METHOD FOR THE WIRING CIRCUIT BOARD, AND
CIRCUIT MODULE**

ADDRESS TO: Commissioner for Patents
MAIL STOP PATENT APPLICATIONS
P.O. Box 1450
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (Incorporated within this form)(The filing fee is deferred).
2. ☒ Specification Total Pages [105]
3. ☒ Drawing(s) (35 USC 113) Total Sheets [28]
4. [] Oath or Declaration Total Pages []
NOT attached; deferred under P.L. 97-247.
 - a. [] Newly executed (original)
 - b. [] Copy from prior application (37 CFR 1.63(d)
(for continuation/divisional with Box 17 completed).
 - i. [] Deletion of Inventor(s)
Signed statement attached deleting inventor(s) named in prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).
5. [] Incorporation by reference (useable if box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is
supplied under Box 4b, is considered as being part of the disclosure of the accompanying
application and is hereby incorporated by reference therein.
6. [] Microfiche Computer Program (Appendix)
7. [] Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. [] Computer Readable Copy
 - b. [] Paper Copy (identical to computer copy)
 - c. [] Statement Verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. [] Assignment to NORTH CORPORATION, Tokyo, Japan.
Please publish the assignee data with the application.
9. [] 37 CFR 3.73(b) Statement (when there is an assignee) [] Power of Attorney

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10. ☐ English translation Document (if applicable)

11. ☒ Information Disclosure Statement w/PTO-1449

[1] Copy of IDS Citations (3 references)

12. ☒ Preliminary Amendment

13. ☒ Return Receipt Postcard (MPEP 503)

14. ☒ Small Entity Status is claimed.

15. ☒ Claim for Convention Priority

☐ Certified copy of Priority Document

- a. Priority of Japanese application no. 2003-095167 filed on March 31, 2003 is claimed under 35 USC 119
- b. Priority of Japanese application no. 2003-118182 filed on April 23, 2003 is claimed under 35 USC 119
- c. Priority of Japanese application no. 2003-192192 filed on July 4, 2003 is claimed under 35 USC 119
- d. Priority of Japanese application no. 2003-289319 filed on August 7, 2003 is claimed under 35 USC 119
- e. Priority of Japanese application no. 2003-307897 filed on August 29, 2003 is claimed under 35 USC 119

16. ☐ Other _____

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Division ☐ Continuation-in-part (CIP) of prior application no _____.

| FEE TRANSMITTAL The filing fee is calculated below | Number Filed | Number Extra | Rate | Basic Fee |
|-------------------------------------------------------|--------------|--------------|-----------|------------------|
| | | | | \$ 770.00 |
| Total Claims | 91 - 20 | 71 | x \$18.00 | \$1278.00 |
| Independent Claims | 9 - 3 | 6 | x \$86.00 | \$ 516.00 |
| Multiple Dependent Claims | | | \$290.00 | \$ 290.00 |
| Filing Fee | | | | \$2854.00 |
| Reduction by 1/2 for small entity | | | | \$1427.00 |
| Fee for recording Assignment | | | \$40.00 | \$ 40.00 |
| TOTAL | | | | \$1467.00 |

XX NO FEE ENCLOSED. THE FILING FEE IS DEFERRED.

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- ☐ A check in the amount of \$_____ is enclosed to cover the filing fee of \$_____ and the assignment recordation fee of \$_____.
- ☐ Please charge our Deposit Account No. **01-2340** in the total amount of _____ to cover the filing fee and the _____ assignment recordation fee. A duplicate of this sheet is attached.
- ☐ The Commissioner is hereby authorized to charge payment for any additional filing fees required under 37 CFR 1.16 or credit any overpayment to Deposit Account No. **01-2340**.

18. CORRESPONDENCE

ADDRESS:

Armstrong, Kratz, Quintos, Hanson & Brooks, LLP
Suite 1000, 1725 K Street, N.W.
Washington, D. C. 20006
Tel: (202) 659-2930
Fax: (202) 887-0357



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PATENT TRADEMARK OFFICE

Typed or Printed Name **William G. Kratz, Jr.**

Reg. No. **22,631**

Signature

Date: **March 30, 2004**

WGK:jaz